

10/613,441

1564

AMENDMENTS TO THE CLAIMS

This listing of claims includes a complete listing of both allowed claims and amended claims and will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently amended) A mobile terminal, comprising:
a plastic housing comprising at least one of a transmitter, a receiver, a flex member and an antenna;
a bar code reader; and
a component insert-molded as part of the plastic housing such that at least a portion of the component is embedded within the plastic of the plastic housing.
2. (Original) The mobile terminal of claim 1, the component comprising an electrical or electronic component.
3. (Original) The mobile terminal of claim 1, the component comprising a mechanical component.
4. (Previously presented) The mobile terminal of claim 1, the component is insert-molded within the plastic housing.
5. (Previously presented) The mobile terminal of claim 1, the component is a flex member insert-molded on a trough of the plastic housing for an electrical or mechanical connection of the plastic housing to other bodies.
6. (Original) The mobile terminal of claim 1, the component comprising an interface unit for the electronic device.
- 7-20. (Cancelled).

10/613,441

1564

21. (Currently amended) A mobile terminal comprising:
means for reading bar codes;
means for housing the mobile terminal, the means for housing having integrated therewith via insert-molding at least one of a transmitter, a receiver, a flex member and an antenna(s) electronics and antenna(s) such that at least a portion of the at least one of the transmitter, the receiver, the flex member and the antenna(s) electronics and antenna(s) are embedded within the plastic of a plastic housing.
22. (Previously presented) The mobile terminal of claim 1, the component is completely embedded within the plastic of the plastic housing and has an exposed interconnect pin.
23. (Cancelled).
24. (Currently amended) The mobile terminal of claim ~~[[23]]~~ 1, the at least one of the transmitter, the receiver, the flex member and the antenna is insert-molded into the plastic housing.
25. (Currently amended) The mobile terminal of claim ~~[[23]]~~ 1, the antenna receives a frequency corresponding to at least one of a Local Area Network, a Wide Area Network, a Personal Area Network, GSM, DCS, and PCS.
26. (Currently amended) The mobile terminal of claim ~~[[23]]~~ 1, the antenna comprising a set of meandering lines of metal with a geometry that determines signal frequency receptivity.
27. (Previously presented) The mobile terminal of claim 26, the set of meandering lines of metal is formed by at least one of an etching and a printing on a dielectric layer.

10/613,441

1564

28. (Withdrawn) A method of fabricating a mobile terminal plastic housing, comprising:
- creating a mold of a desired geometry of an intended exterior appearance of the plastic housing and an interior cavity;
 - positioning a component to be insert-molded with the plastic housing in the cavity of the mold;
 - injecting a molten resin material into the mold; and
 - cooling the mold to form the mobile terminal plastic housing and the component insert-molded therein.
29. (Withdrawn) The method of claim 28, the component to be insert-molded comprising at least one a transmitter, a receiver, a flex member and an antenna.
30. (Withdrawn) The method of claim 28, positioning the component further comprises clamping the component to the mold such that bonding areas of the component remain exposed.
31. (Withdrawn) The method of claim 28, injecting the molten resin further comprising injecting at a rate sufficient to maintain an unbroken melt front to mitigate spraying or splashing of the plastic material within the mold cavity.
32. (Withdrawn) The method of claim 28, further comprising:
- monitoring an injection pressure until the mold cavity is filled; and
 - controlling the injection pressure until the mold cavity is filled.
33. (Withdrawn) The method of claim 32, further comprising maintaining the injection pressure after the injection of the molten resin is complete until the plastic material hardens around the component within the mold cavity.

10/613,441

1564

34. (Withdrawn) The method of claim 28, further comprising at least one of removing and ejecting via opening the mold the plastic housing and the component insert-molded therein.